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(54) **Aerofoil blade or vane**

(57) An aerofoil blade or vane for the turbine of a gas turbine engine is provided. The blade or vane includes an aerofoil portion which, in use, extends radially across a working gas annulus of the engine. A coolant inlet is formed at an end of the aerofoil portion for entry of a flow of cooling air into the aerofoil portion. A corresponding coolant exhaust is formed at the trailing edge of the aerofoil portion for the flow of spent cooling air from the aerofoil portion. A passage within the aerofoil portion connects the inlet to the exhaust. The blade or vane further includes a fence within the aerofoil portion. The fence extends radially and forwardly from a start position at said end of the aerofoil portion adjacent the trailing edge to an end position. The passage forms a loop which extends along one side of the fence, wraps around the end position, and extends along the other side of the fence to connect the inlet to the exhaust.

nects the inlet to the exhaust. The blade or vane further includes a fence within the aerofoil portion. The fence extends radially and forwardly from a start position at said end of the aerofoil portion adjacent the trailing edge to an end position. The passage forms a loop which extends along one side of the fence, wraps around the end position, and extends along the other side of the fence to connect the inlet to the exhaust.

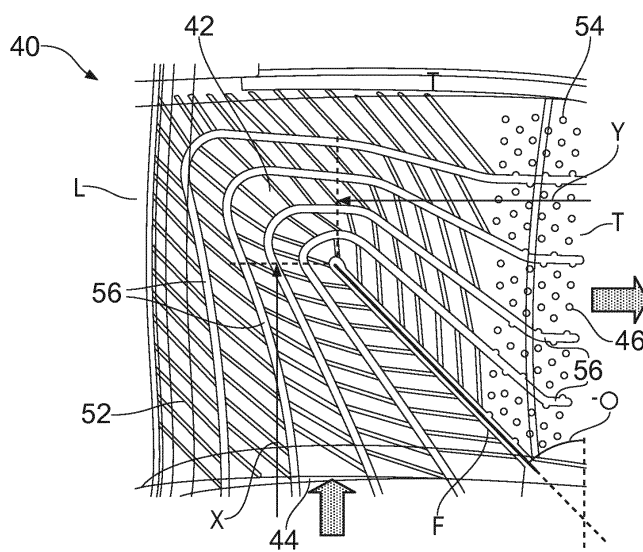


FIG. 6



EUROPEAN SEARCH REPORT

Application Number
EP 12 19 4748

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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 3 April 2017	Examiner Zuurveld, Gerben
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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